

## PROJECT 10073 RECORD CARD

1. DATE 20 June 1963	2. LOCATION 15.56N 81.05W (Gulf of Mexico)	12. CONCLUSIONS <input type="checkbox"/> Was Balloon <input type="checkbox"/> Probably Balloon <input type="checkbox"/> Possibly Balloon  <input type="checkbox"/> Was Aircraft <input type="checkbox"/> Probably Aircraft <input type="checkbox"/> Possibly Aircraft  <input type="checkbox"/> Was Astronomical <input type="checkbox"/> Probably Astronomical <input type="checkbox"/> Possibly Astronomical  <input checked="" type="checkbox"/> Other Satellite ECHO I <input type="checkbox"/> Insufficient Data for Evaluation <input type="checkbox"/> Unknown
3. DATE-TIME GROUP Local _____ GMT 21/0042Z	4. TYPE OF OBSERVATION <input checked="" type="checkbox"/> Ground-Visual <input type="checkbox"/> Ground-Radar <input type="checkbox"/> Air-Visual <input type="checkbox"/> Air-Intercept Radar	
5. PHOTOS <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. SOURCE civilian	
7. LENGTH OF OBSERVATION 6 minutes	8. NUMBER OF OBJECTS one	9. COURSE NE
10. BRIEF SUMMARY OF SIGHTING Object as bright as Polaris in flight with elevation of 16 deg observed at 340 deg azimuth. Flight at East disappearing after 6 min observation at 015 deg azimuth 5 deg elev.	11. COMMENTS At 0020Z on 21 June ECHO crossed equator at 126 deg W Longitude. this places to Satellite in position for observation by the witness. Case evaluated as ECHO I.	

ATIC FORM 329 (REV 26 SEP 52)

UNITED STATES GOVERNMENT

# Memorandum

TO : J. S. Lacey, OPI  
NASA, Greenbelt

Code 5511:JCW  
DATE: 15 July 1963

FROM : Nautical Information Branch  
U.S. Naval Oceanographic Office

SUBJECT: Satellite ECHO

Encl: (1) Marine Data Report from Liberian Ship PENSACOLA dtd 20 Jun 63  
(2) Observation from M. V. FERNGATE dtd 1 July 63

1. Enclosures (1) and (2) forwarded for your information.

\*Forwarded as a matter pertaining  
to your organization. Your attention  
to this matter will be appreciated.

*G. Buckwalter Jr*  
G. BUCKWALTER

*Ed Mason*  
Ed Mason  
Public Information Officer  
Goddard Space Flight Center

Case includes one (1) photocopied page of narrative.

Enc1. (1)

(Trans) (2-5 WORKS) DSC-OMH-2-10

**MARINE DATA REPORT**

Please type or print clearly

Report 16, Lm.

NAME OF SHIP <b>PENSACOLA</b>	OWNER EMILIO FERNANDEZ GOITIA	NATIONALITY <b>LIBERIAN</b>	DATE OF REPORT <b>June 20th 1963</b>
MASTER OR COMMANDER/OFFICER <b>EMILIO FERNANDEZ GOITIA</b>	OBSERVER (Name and Rank) <b>EMILIO FERNANDEZ GOITIA, MASTER.</b>		
SHIP MAIL ADDRESS (U. S. Army's address for mail U. S. Ships)			
Southern Shipping Company, Inc., 417 International Trade Mart, New Orleans 12, La.			
SHIP TYPE <input type="checkbox"/> PASSENGER <input checked="" type="checkbox"/> CARGO <input type="checkbox"/> COMB-PASSENGER-CARGO <input type="checkbox"/> TANKER <input type="checkbox"/> OTHER (Specify)			
GROSS TONS <b>1697</b>	LENGTH (Feet) <b>298.00 5/8</b>	BREADTH (Feet) <b>42.00</b>	DEEPEST DRAFT (Feet) when loaded to mark <b>16.00</b>

## Instructions for Reporting Observer

This form is provided for the convenience of mariners in reporting items of interest to the Hydrographic Office such as wrecks, shoalings, uncharted dangers, discrepancies in published information, etc. Such reports will enable the Hydrographic Office to correct its charts and publications and promote navigational safety, thereby benefiting mariners generally. In all cases, be sure to describe keenly, and specify the date, time (G. M. T.), and position or location of the items reported. Additional information on submitting reports will be found in H. O. Pub. No. 806.

REPORT OF LIGHT OBJECTS SIGHTED IN THE SKY TO PORTLAND OR VIA TELETYPE 200  
SERIAL NUMBER 012 AIR BALTIMORE 200100

On passage from Balboa, Panamá to Ancon, El Salvador, Col. via Panama Canal in Latitude 15.58 N Longitude 81.05 W at 18.42.23 G.S.T. June 20th 1963 or 00.42.23 G.M.T. June 21st 1963. Observed bright object (as bright as Polaris) with altitude 16° 20' Azimuth 340° true, moving Eastward.

It disappeared between low clouds at 18.48.37 G.S.T. June 20th 1963 with altitude 5° (about) Azimuth true 01.5°.

Barometric Pressure at sea level 29.95 Temperature 86° Fahrenheit Wind East Force 4.

The observer reported no celestial objects in the sky above him except the sun, moon and stars. The sky was clear and the horizon visible. The object was bright and could be seen through the clouds. It was observed for about one minute.

At 18.48.37 G.S.T. the observer noted that the object had disappeared from his field of view.

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JUL

REPORT URGENT DANGERS BY RADIO

Encl. (2)

July 1, 1963.

Mor. M. V. FERNGATE

Observed Satellite 20°21'56" North

166°22'00" East

"W.W. from ship, moving north".

Appeared as bright star.

SATELLITE 1960 IOTA 1  
FOR OTHER LATITUDES

EQUATOR  
S-N  
TIME LONG. LAT. TIME LONG. HT. BEAR.  
(UT) (W) (MI) (UT) (W) (MI)

SOUTH-NORTH  
CORK. (MI) IN-E

NORTH-SOUTH  
CORK. (MI) IN-E

JUNE 16, 1963

1 27.1	121.92	47.4	26.7	-82.72	1088	90.0*	28.7	-82.74	1088	90.0*
3 22.2	151.03	45.0	23.2	-60.36	1026	72.3*	34.3	-104.58	1135	107.7*
5 17.2	180.14	40.0	18.9	-45.65	969	60.7*	38.9	-119.73	1158	119.4*
6 12.3	209.24	35.0	15.7	-36.05	925	54.0*	42.3	-129.26	1166	126.1*
7 7.3	238.35	30.0	13.1	-28.73	887	49.4*	45.3	-136.51	1167	130.7*
1 2.4	267.46	25.0	0.4	-17.62	820	43.7*	50.7	-147.65	1153	136.5*
2 57.4	296.56	0.	0.	0.	720	40.0*	60.3	-164.75	1083	140.2*
3 52.5	325.67	-20.0	-8.1	17.49	664	43.8*	-45.6	148.94	914	136.4*
4 47.6	354.78	-30.0	-12.4	28.69	656	49.5*	-40.7	137.68	909	130.6*
5 42.6	383.88	-35.0	-14.8	30.20	658	54.1*	-38.0	130.35	872	126.0*
6 37.7	412.99	-40.0	-17.6	45.98	666	60.9*	-35.0	120.72	832	119.3*
7 32.7	441.09	-45.0	-21.4	61.32	688	72.4*	-31.0	105.43	782	107.6*
		-47.4	-26.1	81.37	728	90.0*	-26.1	83.41	728	90.0*

JUNE 17, 1963

0 27.8	111.20	47.4	28.5	-82.76	1078	90.0*	28.5	-82.80	1078	90.0*
2 22.8	140.31	45.0	13.0	-60.40	1013	72.3*	34.2	-104.63	1129	107.7*
4 17.9	169.41	40.0	14.8	-55.68	955	60.7*	38.7	-119.77	1156	119.4*
6 12.9	198.52	35.0	15.7	-36.07	910	54.0*	42.2	-129.30	1167	126.1*
8 8.0	227.62	30.0	13.0	-28.74	871	49.4*	45.1	-136.35	1170	130.7*
0 3.1	256.73	25.0	0.4	-17.63	805	43.7*	50.5	-147.70	1159	136.5*
1 58.1	285.84	0.	0.	0.	708	40.0*	60.1	-164.78	1095	140.2*
3 53.2	314.94	-20.0	-8.0	17.50	658	43.8*	-45.6	148.92	989	136.4*
5 48.2	343.05	-30.0	-12.4	28.90	652	49.5*	-40.7	137.67	923	130.6*
7 43.3	372.15	-35.0	-14.8	30.29	657	54.1*	-38.0	130.34	886	126.0*
9 38.3	42.26	-40.0	-17.6	45.99	667	60.8*	-35.0	120.71	845	119.3*
1 33.4	71.36	-45.0	-21.4	61.33	692	72.4*	-31.0	105.43	793	107.6*
3 28.4	100.47	-47.4	-26.1	83.18	736	90.0*	-26.1	83.41	736	90.0*

JUNE 18, 1963

1 23.5	129.57	47.4	29.4	-82.81	1067	90.0*	28.4	-82.84	1067	90.0*
3 18.5	158.67	45.0	22.9	-60.93	999	72.3*	34.0	-104.68	1122	107.7*
5 13.6	187.78	40.0	18.6	-45.71	939	60.7*	38.5	-119.82	1152	119.4*
7 8.6	216.88	35.0	15.6	-36.10	894	54.0*	41.9	-129.35	1186	126.1*
9 3.7	245.99	30.0	12.9	-28.76	855	49.4*	44.9	-136.60	1172	130.7*
10 58.7	275.09	25.0	0.4	-17.64	790	43.7*	50.3	-147.75	1166	136.5*
12 53.8	304.20	0.	0.	0.	696	40.0*	60.0	-164.82	1108	140.2*
14 48.8	333.30	-20.0	-8.0	17.51	851	43.8*	-45.6	148.90	1005	136.4*
15 43.8	362.40	-30.0	-12.4	28.91	650	49.5*	-40.8	137.65	939	130.6*
17 38.9	391.51	-35.0	-14.8	30.10	656	54.1*	-38.1	130.33	901	126.0*
19 33.9	420.61	-40.0	-17.6	45.99	669	60.8*	-35.0	120.71	859	119.3*
20 29.0	449.71	-45.0	-21.4	61.34	697	72.4*	-31.0	105.43	805	107.6*
		-47.4	-26.1	83.18	745	90.0*	-26.1	83.42	745	90.0*

JUNE 19, 1963

1 24.0	114.87	47.4	29.7	-82.85	1055	90.0*	28.2	-82.88	1055	90.0*
3 19.1	143.92	45.0	22.8	-60.97	955	72.3*	33.8	-104.72	1114	107.7*
5 14.1	172.02	40.0	18.5	-45.74	924	60.7*	38.1	-119.87	1148	119.4*
7 9.2	201.13	35.0	15.5	-36.12	878	54.0*	41.8	-129.40	1165	126.1*
8 14.2	230.23	30.0	12.8	-28.78	840	49.4*	44.7	-136.65	1171	130.7*
9 59.2	259.33	25.0	0.2	-17.65	775	43.8*	50.1	-147.79	1171	136.5*
11 54.3	293.44	0.	0.	0.	586	40.0*	59.8	-164.88	1120	140.2*
13 49.3	322.54	-20.0	-8.0	17.51	846	43.8*	-45.6	148.87	1019	136.4*
15 44.4	351.64	-30.0	-12.4	28.93	658	49.5*	-60.9	137.63	954	130.6*
17 39.4	380.75	-35.0	-14.8	30.11	657	54.1*	-38.1	130.32	916	126.0*
19 34.4	409.85	-40.0	-17.5	46.00	672	60.8*	-35.1	120.70	873	119.3*
21 29.5	438.95	-45.0	-21.3	61.35	702	72.4*	-31.0	105.42	817	107.6*
23 24.5	468.05	-47.4	-26.1	83.18	755	90.0*	-26.1	83.42	754	90.0*

SATELLITE 1960 IOTA 1  
FOR OTHER LATITUDES

EQUATOR  
S-N  
TIME LONG. LAT. TIME LONG.  
(UT) (W) (MI) (UT) (W) (MI)

SOUTH-NORTH  
CORK. (MI) IN-E

NORTH-SOUTH  
CORK. (MI) IN-E

JUNE 20, 1963

1 19.6	137.15	47.4	29.0	-82.89	1042	90.0\*</